

AMENDMENTS TO THE CLAIMS

1. (previously presented) A test kit comprising

a) a first immobilized reagent having affinity to a specific macromolecule, and

b) a second and a third affinity reagent specific for different determinants of said macromolecule, and modified with conjugatable oligonucleotides which conjugate through

i) hybridization of an oligonucleotide complementary to the conjugatable oligonucleotides;

ii) hybridization of the conjugatable oligonucleotides to each other; or

iii) ligation of the oligonucleotides,
wherein a signal is generated by nucleic acid amplification only when said second and third affinity reagents are closely bound on said macromolecule; wherein said macromolecule is a protein.

2. (currently amended) The test kit according to claim 1, wherein the affinity reagents are antibodies, ~~and the macromolecule is a specific antigen.~~

3. (previously presented) The test kit according to claim 1, wherein the affinity reagents are lectins, receptors, single chain antibodies, cofactors or nucleic acids.

4. (previously presented) The test kit according to any one of the claims 1-3, wherein the oligonucleotides are complementary to each other.

5. (previously presented) The test kit according to claim 1, further comprising a ligase.

6. (previously presented) An immunoassay for detection of a specific antigen, comprising:

a) contacting a sample suspected of containing said specific antigen with a first antibody linked to a solid support, said first antibody being specific for a first epitope on the antigen;

b) washing off excess sample;

c) incubating with a solution of a second and a third antibody specific for a second and a third epitope of said antigen, and modified with conjugatable oligonucleotides, wherein said oligonucleotides conjugate to each other when said second and third antibody are both bound to said antigen through

i) hybridization of an oligonucleotide complementary to the conjugatable oligonucleotides;

ii) hybridization of the conjugatable oligonucleotides to each other; or

iii) ligation of the oligonucleotides;

d) washing off excess solution;

e) amplifying said conjugated oligonucleotides; and

f) detecting the amplified products.

7. (cancelled)

8. (previously presented) An immunoassay according to claim 6, wherein the conjugation occurs through hybridization of an oligonucleotide complementary to the conjugatable oligonucleotides.

9. (previously presented) An immunoassay according to claim 6, wherein the conjugation occurs through hybridization of the conjugatable oligonucleotides to each other.

10. (previously presented) An immunoassay according to claim 8, wherein the conjugation occurs through ligation of the oligonucleotides.